



Minuet®

USER MANUAL

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## **Warnings, Cautions & Notes**

**Warnings** given in this manual identify possible hazards in procedures or conditions, which if not correctly followed, could result in death, injury or other serious adverse reactions.

**Cautions** given in this manual identify possible hazards in procedures or conditions, which if not correctly followed, could result in equipment damage or failure.



**Notes** given in this manual are used to explain or amplify a procedure or condition

## **WARNINGS**

**The tilt facility, if available, should only be used with the guidance of a clinically qualified person.**

**Ensure the bed is assembled correctly in accordance with the instructions in this manual.**

**The bed is not designed for patient transport and should not be used for this purpose.**

## 1. Introduction

- ☐ This manual provides instructions for the use and maintenance of the Huntleigh Healthcare MINUET® bed with model numbers listed in the table below

	MODEL NUMBER			
	100500AUS	100510AUS	100520AUS	100530AUS
DESIGN FEATURE				
Four section mattress platform	Yes	Yes		
Two section mattress platform			Yes	Yes
Electric tilt adjustment	Yes		Yes	
Electrical height adjustment	Yes	Yes	Yes	Yes
Electrical backrest adjustment	Yes	Yes	Yes	Yes
Electrical leg with elevation	Yes	Yes		
Manual leg elevation (straight leg)			Yes	Yes

## 2. Clinical Applications

### Area of Use

Private, nursing and convalescent homes.

### *Indications*

The use of the bed is to assist in patient positioning whilst reducing lifting and handling stresses for the carer.

The four-section deck allows the patient to be moved to an upright sitting position with the knees supported or legs elevated.

### *Contra-indications*

The total safe working load of the bed is 180kg (ie. Combined weight of patient, mattress and accessories)

### 3. Assembly

Check that you have the following parts:

Head end assembly  
Foot end assembly  
Head end mattress platform assembly  
Foot end mattress platform assembly  
Control handset  
Six clamp screws (loose) and Allen key

Make sure you have enough room to turn the bed from its side to upright when assembled. Use carpet or other suitable protection to avoid damage.

#### WARNINGS

**Heavy equipment hazard. The bed and its subassemblies are heavy and appropriate precautions should be taken to avoid injury when lifting or moving them.**

1. On both the head and foot end column assemblies, turn the castors upward and apply the brakes (refer to Operations section). Lay the foot end flat on the floor with the spigots on the frame upper most.



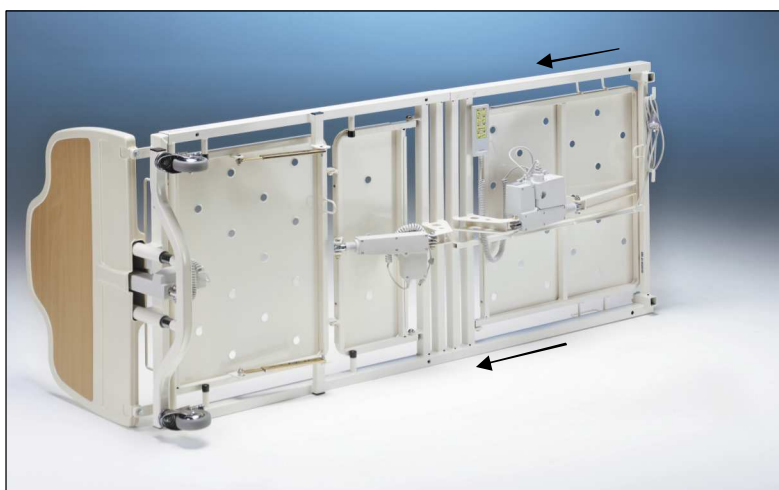
2. Assemble the foot end mattress platform assembly to the foot end.



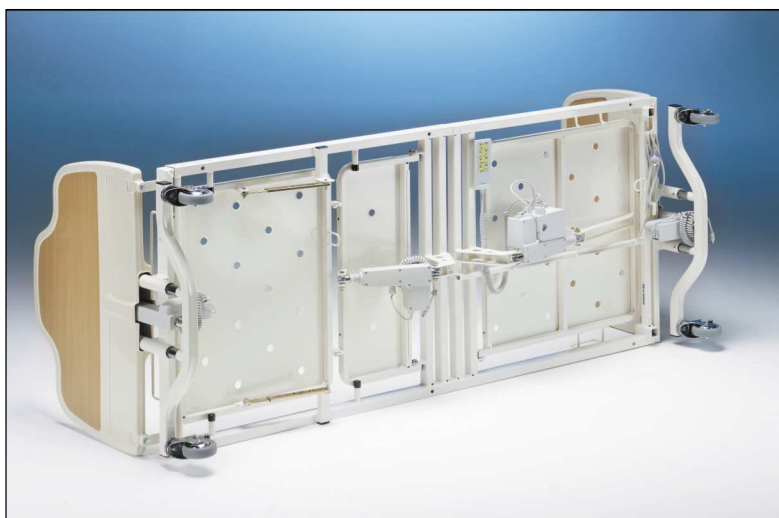
3. Stand the assembled components on one side with the connector sockets on the backrest actuator or control box (A) uppermost.



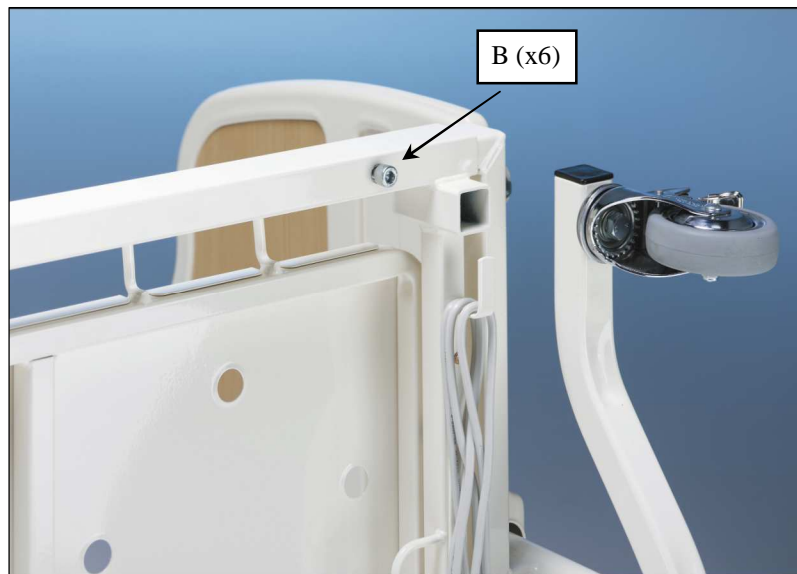
4. Assemble the head end deck assembly to the foot end deck assembly.



5. Assemble the foot end to the deck..



6. There are a total of 6 clamp screws provided for assembling the bed. Assemble the first 3 of these clamp screws (B) on the underside of the side rail tube of one length of the bed. Make sure all joints are fully inserted and tighten all 3 clamp screws securely using supplied Allen key.

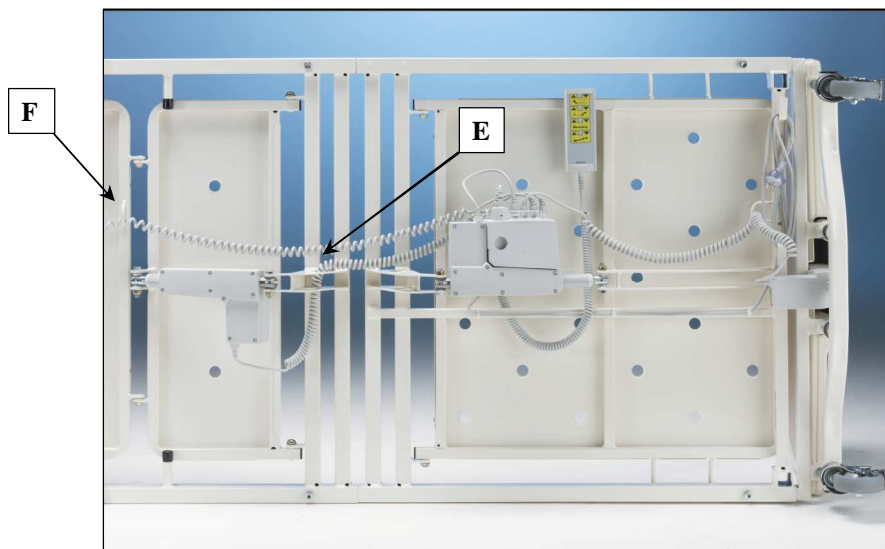


7. Carefully thread the head end actuator cable through the support loop (C) on the frame and connect it to socket 3 (D) on the backrest actuator/control box. Adjust the cable coils in the loop so the cable is under tension but not strained.



8. On models with electric leg elevation, carefully thread the leg actuator cable up through the large hole in the actuator mounting bracket (E). Connect the cable to socket 5 on the backrest actuator or control box.

9. Carefully thread the foot end actuator cable through the support loop (F) on the deck frame and connect it to socket 4 on the backrest actuator/control box. Adjust the cable coils in the loop so the cable is under tension but not strained..



10. Connect the control handset cable to socket 1 on the backrest actuator or control box.
11. Stand the bed on its castors. Assemble the other 3 clamp screws in the underside of the remaining side rail tube. Make sure all joints are fully inserted and tighten all 3 remaining clamp screws firmly using supplied Allen key.

## **WARNINGS**

**DO NOT use the safety side rails to lift or move bed.**

## **WARNINGS**

**Make sure that the mains supply cable is not stretched when connected.**

**Make sure that the handset and mains cable cannot become entangled with moving parts of the bed.**

## **4. Disassembly—all models**

Lower the bed to minimum height and disconnect the bed from mains power supply.

On both the head and foot end column assemblies, turn the castors inward toward each other and apply the brakes.

Turn the bed on one side. Disconnect the control handset from the socket on the backrest actuator or control box. Disconnect the actuator cables from the sockets on the backrest actuator or control box and remove cables from the support loops on the frame.

Loosen two clamp screws and remove the foot end column assembly.

Loosen two clamp screws and remove foot end column deck assembly.

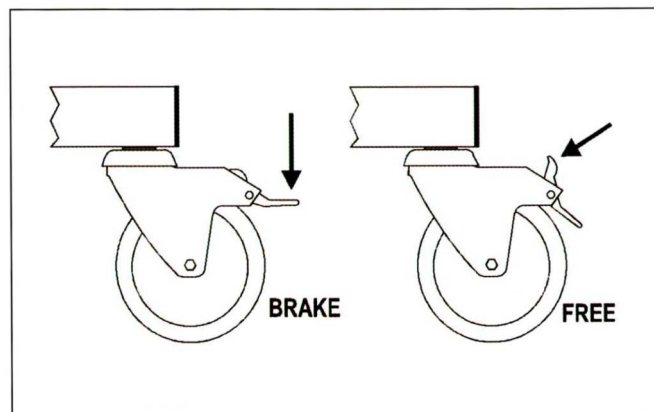
Loosen two clamp screws and remove the head end deck assembly from the head end assembly.

## 5. Operations

### Safety

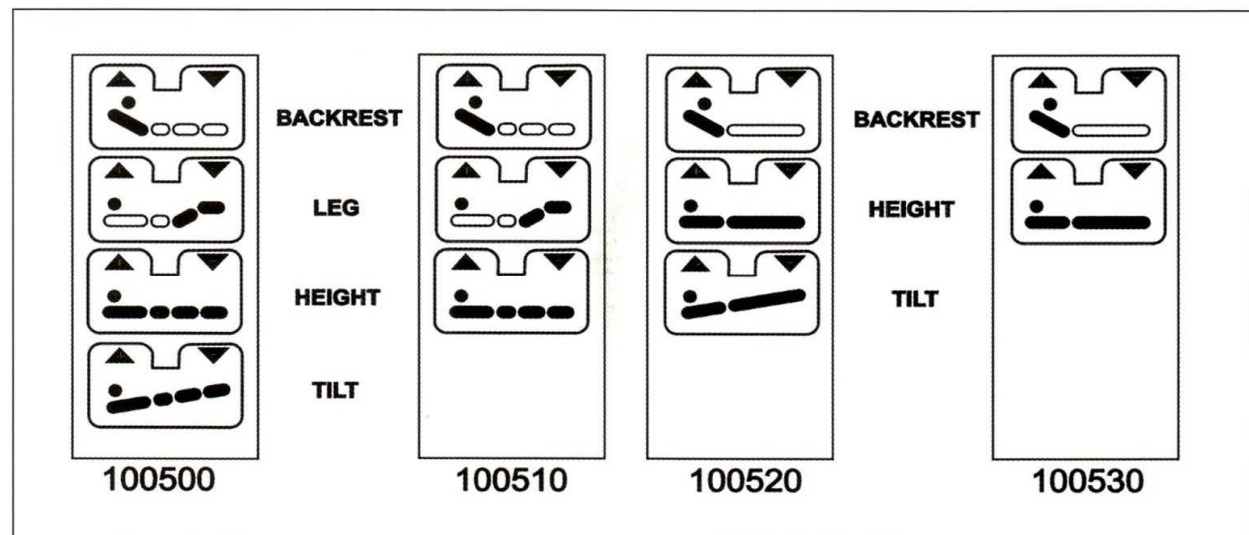
- ☐ Always use a mattress of the correct size and type. A range of suitable pressure reducing and pressure relieving mattress are available from Huntleigh Healthcare.
- ☐ Before operation of the bed, ensure that no children, pets or obstacles such as bed-side furniture are in its path.
- ☐ Before operating the bed, ensure that the patient is positioned correctly to avoid entrapment or imbalance.
- ☐ Always apply the brakes when the bed is stationary. When operating the bed in tilt mode, apply the brakes at one end only.
- ☐ Do not expose the equipment, especially the mattress, to naked flames such as cigarettes etc.
- ☐ Use only Huntleigh Healthcare accessories designed or approved for use with the bed.
- ☐ Keep these instructions handy for reference.

### Castors & Brakes



### Power Operation

When a handset push button is pressed, the appropriate bed function will operate until the button is released.





### ***Leg Elevation - Models 100500AUS / 100510AUS***

Using the control handset, the legs are elevated by increasing the angle of the thigh section. When the legs are raised, the Kneebreak angle can be manually adjusted by raising or lowering the foot end, which is supported by a self-locking ratchet strut.

To adjust, hold the mattress retention rail and lift the foot end slightly to disengage the latch then raise or lower it, reversing the movement a little to re-engage the latch at the required position.

### ***Models 100520AUS / 100530AUS***

The legs can be manually elevated by raising the foot end of the mattress deck. To adjust, hold the mattress retention rail and lift the foot end slightly to disengage the latch then raise or lower it, reversing the movement a little to re-engage the latch at the required position.

## **6. Cleaning**

### **Warning**

**Before cleaning, disconnect the bed from the mains power supply.**

**Gloves and protective clothing should always be worn when carrying out cleaning procedures.**

All surfaces can be cleaned by wiping with a soft cloth moistened with hot water and a mild detergent. Avoid splashing the actuators and handsets.

Rinse with a cloth moistened with clean water and dry with paper towels.

To remove potentially infectious material such as body fluids, or when used by a client with a known infection, clean afterwards with NaDCC (ie Presept, Actichlor) at 10,000 ppm of available chlorine.

Rinse and dry.

Allow cleaned parts to dry thoroughly before replacing the mattress.

Any proprietary furniture polish may be used on the head and foot panels.

### **Caution**

**Do not use abrasive compounds or pads.  
Do not use hypocarbonate or phenolic cleaning solutions**

## 7. Maintenance / Troubleshooting

### Warnings

**Disconnect the bed from mains power supply before starting any maintenance activity.**

The following preventative maintenance procedures should be carried out at intervals of 12 months or as specified.

All service or repair activities must only be performed by properly qualified and trained persons who are approved by Huntleigh Healthcare.

#### General

Examine the bed for obvious signs of damage. Make sure that all nuts, bolts, clamp screws and other fastenings are tight and not missing.

Examine the flexible cables for cuts, abrasions, kinking or other deterioration. Ensure that the power supply connector plug is securely attached and not damaged. If appropriate, check that the plug fuse is of the correct type (BS 1362 5amp)

#### Castors and Brakes

If fluff or threads are picked up by the castors, these should be removed.

Make sure that castors swivel and rotate freely. Check the brakes for efficient operation. If castors are unsatisfactory they should be replaced.

## 8. Accessories—*purchased separately*

### Self Help Pole

#### **Installation**

Install the pole on either side of the bed in the square socket in the head end frame.

#### **Adjustment**

The pole can be located with the horizontal bar over the bed or, when not in use, over the head board. The position of the can be altered by adjusting the length of the strap.

### Warnings

**The maximum safe working load of the self help pole is 76.5kg.**

**The pole must be used when the handle is central above the mattress platform**

A full range of accessories are available from Huntleigh Healthcare. Details can be provided upon request.

## 9. Warranty and Service

### Warranty Terms

Your Huntleigh Healthcare product is warranted for 36 months from the date of purchase against fault arising due to defects in manufacture or materials.

Parts replaced, or repaired under the terms of this warranty will be covered for the balance of the 36 month period.

The warranty applies only to parts made or approved by Huntleigh Healthcare.

The warranty does not extend to items or components which may need replacement due to normal wear and tear (eg. Castors, protective moldings, paint work etc.) for which Huntleigh Healthcare, nor its distributors can be held responsible.

Any gradual deterioration in performance after this period is normally associated with fair wear and tear, or misuse and accidental damaged and as such is not covered by the manufactures warranty.

### Warranty Service Visit

If your Minuet bed should require attention due to failure as defined under the warranty terms, please contact the manufacturer or the distributor from whom it was supplied.

## 10. Technical Specifications

### Dimensions

Overall Length	2200mm
Overall Width	920mm
Height to Mattress Platform	
Min	230mm
Max	730mm
Backrest Angles	To 70°
Leg Elevation:	
100500 AUS / 100510AUS	18°
100520 AUS / 100530AUS	15°
Tilt:	
100500AUS / 100520AUS	10° Head up to 10° Head down
Mattress Size:	1980x860x170mm
Product Weight (approximate)	
Foot End Assembly (standard)	22kg
Head End Assembly (standard)	19 kg
Foot End Deck Assembly (with leg elevation)	17kg
Head End Deck Assembly (adjustable backrest)	21kg
Maximum Safe Working Load (incl. accessories)	180kg

## **Electrical Data**

Power Input	1A max. at 230V a.c. 50/60Hz
Power Output	24V d.c Max. 70VA
Electrical Safety Standards	Complies to EN60601-1 1998 (BS 57424: Part 1, IEC 601-1)
Electrical Shock Protection	Class 2
Degree of Shock Protection	Type B
EMC	Complies with BS EN 60601-1-2
Liquid Ingress Protection	IP54 Duty Rating Intermittent 10% (6min./hour)

## 11. Parts List

Product Code	Part	Usage Description	QTY
LIN3115244	311100-2015004E	Backrest Actuator	1
LIN524024	310254-524024	Lift/Tilt Column Actuator	2
LIN9140	CB9140AL4+00019	Backrest Frame Control Box	1
LIN007121	HB74-007 Handset 4 section tilt	Hearend Base Assembly 100500AUS only	1
LIN010121	HB73H03 Handset 2 section tilt	Hearend Base Assembly 100510AUS only	1
LIN008122	HB72H01 Handset 2 section no tilt	Hearend Base Assembly 100520AUS only	1
LIN310524	310255-310524	Hearend Base Assembly 100530AUS only	1
LIN310524	310255-310524	Thigh Panel Frame	1
SCR1040	M10 x 40 Z/P Capscrew	Base Assembly	6
FPL5244048	P803 Ext BL Cap 19Dia	Footend Base Assembly	2
FPL2655509	Bumpers SJ-5508	Hearend Base Assembly	2
FPL5464023	22mm Sq Int BL Caps	B/rest, Th/panel, F/rest panel	4
WSH11000092	10mm White Nylon Washes	B/rest, Th/panel, F/rest panel	4
FMT2218010	10mm Axle Caps	B/rest, Th/panel, F/rest panel	4
FMT9991703	Rastomat Cathces	Footrest Panel Assembly	2
MCC2699093	White Nylon Bushes	Column Base Assembly	2
MCC2699100	White Nylon Bushes	U/carriage Assembly	2
RIV1604615	Alu Rivet 3/16 CSK 01604-00615	Column Base Assembly	2
CST4480	100mm Fallshaw Castors	U/carriage Assembly	2
FPL5464035	35 Int BL Caps	U/carriage Assembly	2
RIV1661613	Alu Rivet 3/16 Low Profile 01661-00613	U/carriage Assembly	2
TOL1984701	Allen Key	Allen Key	1



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